

Title (en)

Protective device for machines such as bending presses, cutting machines, punching machines or the like.

Title (de)

Schutzeinrichtung für Maschinen, wie Abkantpressen, Schneidemaschinen, Stanzmaschinen oder dergleichen

Title (fr)

Dispositif de protection pour machines telles que presses-plieuses, découpeuses, machines à estamper ou analogues.

Publication

EP 1515078 B1 20070425 (DE)

Application

EP 04014483 A 20040621

Priority

DE 10342431 A 20030913

Abstract (en)

[origin: EP1515078A2] The safety system at a machine, where a moving part (10) acts with a second part (11), has a light barrier assembly on a plane (22) in the gap between them at right angles to the movement line (A), with two light barriers (19,20). If the first light barrier is interrupted, a blocking unit is triggered to stop the movement of the moving part. A third light barrier (21) is under the first light barrier in the movement path. A deactivating system switches between the barriers alternately directly before the insertion of a workpiece (14).

IPC 8 full level

F16P 3/14 (2006.01)

CPC (source: EP)

B21D 55/00 (2013.01); **F16P 3/144** (2013.01)

Cited by

JP2018144090A; EP2479472A3; EP2591897A1; US2022297327A1; US11745373B2; JP2017189800A; CN109070168A; EP3372319A3; US10197219B1; WO2018163525A1; WO2017179355A1; KR20180099895A; US10369607B2

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DOCDB simple family (publication)

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